Revised 9-23-04

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ATTACHMENT A

PEER REVIEW MEMORANDUM

A. DATE: August 12, 2004* BEERA _____ BGWPA: X

* Peer Review continued from July 1, 2004

CASE NAME: Unimatic Manufacturing Corp. CASE NO.: E20010335 JOB NO.: A1988200

LOCATION: 25 Sherwood Lane, Fairfield, Essex County

QUESTIONS/RECOMMENDATIONS

1. Need approval for RP's proposed wells MW-4 (replacement for MW-2) and MW-5.

2. Need approval for the additional well placement, that I selected, in areas of soil that exceed 100-ppm.

3. Ok for placement of an additional well, that I selected, for triangulation that is not in a PCB investigated area.

4. Is it acceptable to not require a well through the floor, inside the building, to monitor VOCs and PCBs?

5. Need to determine if the sieve analysis for SB-65 is acceptable based on determining soil type for well placement.

6. Is it necessary, at this time, to install additional wells based on PCB concentrations that exceed 100-ppm above the water table without knowing soil concentrations below the water table? It is understood that Residential soil cleanup criteria is used below the water table, however, Unimatic's soil boring logs do not show depth to water (DTW) and DTW is not depicted at the boring locations on the site maps. Therefore, I will make a request that Unimatic submit DTW data for each borehole. (Note: Unimatic shall request a letter from the USEPA to allow soils in excess of 100-ppm to remain in the ground – that are above the water table).

CASE MANAGER (CM): Gene P. Fowler SUPERVISOR: Joseph J. Nowak

B. CM sig. Gene Fowler GEOLOGIST sig. _____

DECISIONS\RATIONALE AND ACTIONS REQUIRED

1. Ok to install wells MW-4 and MW-5 as proposed by the RP.

2. The additional property boundary well (as outlined item #2, at July 1 peer review) will be placed at soil sample locations PE-14 and SPE-21. This is necessary because PE-14 has 2,061-ppm of PCB at the 15 to 15.5 foot interval and SPE-21 has 3.37-ppm at the 15.5 to 16 foot interval. This will need to be investigated due to such a drastic decrease in PCBs in only one-half foot deeper.

3. An additional well that is needed for triangulation can be installed to the southwest or northwest of the building. The RP can select the proposed well location.

4. Well placement inside the building is not a requirement at this time but this might be a requirement at a later date depending upon upcoming PCB analysis in ground water in the existing and proposed wells.

5. The sieve analysis for SB-65 is acceptable at this time and Unimatic is required to submit complete logs for future submissions. Accurate soil descriptions (and possible additional sieve analysis) will be necessary in the future should the RP need to conduct *in-situ* soil remediation, including selection of appropriate well screen size (to keep out collodial material) and gravel pack.

6. Unimatic must remediate soils to 100-mg/kg, above and below the water table. The 100-mg/kg is a site-specific alternate cleanup # and soils below 100-mg/kg can only be left in the ground with a USEPA letter that will be requested by Unimatic. The alternate cleanup # is only applicable if there is no ground water contamination above the NJDEP's Ground Water Quality Standards (GWQS) of 0.5 ppb. Unimatic shall vertically delineate all soils below the water table to the alternate cleanup #, however if there are exceedances above the GWQS of 0.5 ppb then Unimatic shall remediate soils to the Residential Direct Contact Soil Cleanup Criteria (RDCSCC) cleanup No. of 0.49-mg/kg.

NJDEP's Soil Cleanup Criteria:
PCBs: RDCSCC 0.49 mg/kg, NRDCSCC 2 mg/kg, 50 IGWSCC mg/kg